

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,733,176

Page 1 of 3

DATED : Mar. 31, 1998

INVENTOR(S) : Karl M. Robinson; Michael A. Walker

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Col. 2, line 27, after "complexity" insert --of--

Col. 2, line 66, after "The" change "forgoing" to --foregoing--

Col. 3, line 18, after "lubricate" change "in" to --is--

Col. 3, line 20, before "the" change "Where" to --When--

Col. 3, line 27, after "life" change "that" to --of--

Col. 4, line 34, after "shown" change "as" to --are--

Col. 4, line 37, after "polishing" change "pad" to --pads--

Col. 4, line 39, before "of" change "illustrate" to --illustration--

Col. 4, line 41, after "pad" change "12" to --10--

Col. 4, line 48, after "positively" change "introduces" to --introduced--

Col. 4, line 48, after "introduces" change "similarly" to --in a similar fashion--

Col. 5, line 22, after "substrate" change "22" to --20--

Col. 5, line 54, after "contact" insert --with--

Col. 5, line 57, after "contact" insert --with--

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DATED : Mar. 31, 1998

INVENTOR(S) : Karl M. Robinson; Michael A. Walker

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Col. 6, line 1, before "whether" change "determined" to --determines--

Col. 6, line 4, after "impracatical" insert --to--

Col. 6, line 64, after "shortens" delete --of--

Col. 7, line 13, after "contents" change "release" to --released--

Col. 7, line 17, after "an" change "increasingly" to --increasing--

Col. 7, line 49, after "incorporating" insert --the--

Col. 7, line 52, after "pad" change "without" to --with--

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PATENT NO. : 5,733,176

Page 3 of 3

DATED : Mar. 31, 1998

INVENTOR(S) : Karl M. Robinson; Michael A. Walker

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 7, line 53, delete "In" and change "the" to --the--"

Col. 7, line 54, after "substances" insert --which--

Col. 7, line 56, after "is" delete --to--

Signed and Sealed this  
Ninth Day of February, 1999

Attest:



Attesting Officer

*Acting Commissioner of Patents and Trademarks*

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,171,352 B1  
DATED : January 9, 2001  
INVENTOR(S) : Tsung-Ho Lee, et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page.

Item [30], "(CN)" should read -- (TW) --

Signed and Sealed this

Twenty-seventh Day of November, 2001

Attest:

*Nicholas P. Godici*

Attesting Officer

NICHOLAS P. GODICI  
Acting Director of the United States Patent and Trademark Office

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,954,997  
DATED : September 21, 1999  
INVENTOR(S) : Vlasta Brusic Kaufman et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 11,

Line 6, the term "alumina" should read, -- an abrasive --.

Line 38, the term "peroxided, and" should read, -- peroxide --.

Column 12,

Line 49, the terms "claim 13" should read, -- claim 23 --.

Signed and Sealed this

Thirtieth Day of September, 2003

A handwritten signature in black ink, appearing to read "James E. Rogan", with a horizontal line drawn underneath it.

JAMES E. ROGAN  
*Director of the United States Patent and Trademark Office*

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,876,490  
DATED : March 2, 1999  
INVENTOR(S): Ronay

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page, [73] Assignee: should read ---International Business Machines Corporation---.

Signed and Sealed this  
Fifteenth Day of June, 1999

Attest:



Q. TODD DICKINSON

Attesting Officer

Acting Commissioner of Patents and Trademarks